

A block diagram of a preferred system architecture of an electronic marketplace

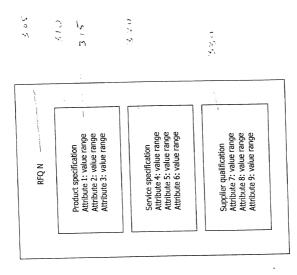
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ر ا ا 7.5. こかご シャン N If necessary, the buyer makes requests more information about bids to sellers, who respond to them. Sellers examine/evaluate the RFQ, among others, to decide if they want to submit bids to the RFQ. The marketplace receives the bids, records them in a database, and displays them to the buyer. If necessary, the buyer negotiates further with one or more sellers who submitted winning bids. The submitted RFQ is posted on the marketplace for a period time specified by the buyer. The buyer examines/evaluates the submitted bids to decide one or more winning bids. The buyer and sellers settles about the deal; payment and shipment is executed. Sellers create/configure one or more bids to the RFQ, if they decide to bid. The buyer selects one or more winning bids. Sellers send bids to the marketplace.

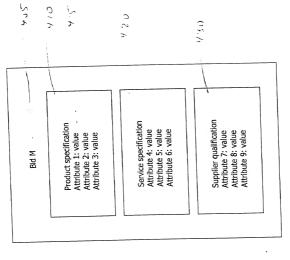
### A flow chart of a preferred RFQ process

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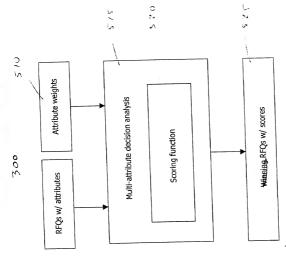
### F16.3

# An example of an RFQ having multiple attributes



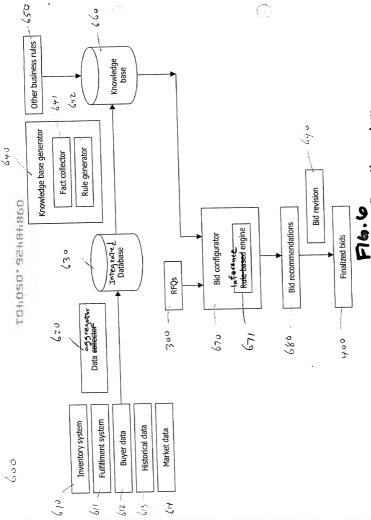
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## An example of bids having multiple attributes



F16.5

# A block diagram of a preferred RFQ selection process



A block diagram of a preferred bid configuration system

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Rules for product specification

If a product/service's gross margin > 50%, then give the highest priority to it among alternatives. If a product/service's gross margin < 35%, then give the lowest priority to it among alternatives.

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If a product's on-hand inventory > 4 weeks in supply, then give the highest priority to it among alternatives. If a product's on-hand inventory < 2 weeks in supply, then give the lowest priority to it among alternatives.

If a buyer's reputation rate is better than 4, then apply 3% discount rate.

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**F16.7** Examples of rules for bid configuration

No buyer receives more than 40% of the business.

Limit the min/max num of buyers. Selling policies

If a buyer's stock value has decreased more 50% in the last 1 year, then assign the lowest priority to its RFQ.

Rules for buyer qualification

If a buyer's reputation rate is better than 3, then add a year to the standard warranty period.

Rules for service specification

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	Gross margin(Product X) = 45%	Gross margin(Product Y) = 15%	On-hand inventory(Product Z) = 3 weeks in supply	On-hand inventory(Product W) = 2 weeks in supply	Reputation rate(Buyer X) = 4	Reputation rate(Buyer Y) = 2	Stock value(Buyer W) = 57	Supplier relationship(Buyer Z) = 10 years	Stock market index(Market X) = 7251	Amount of deals in 2000(Buyer A) = \$327,250	Bid submission due(RFQ X) = March 31, 2001	Softening point(RFQ Y) = (300, 350) degree in Kelvin	

### F16.8

## Examples of facts for bid configuration